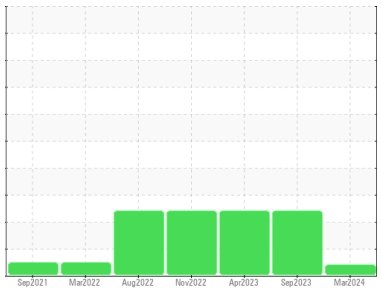
OIL ANALYSIS REPORT

OIL DIAGNOSTICS

Sample Rating Trend



VIS DEBRIS

Machine Id
DT782
Component
Rear Axle
Fluid
CHEVRON RPM SYNTHETIC GEAR 75W90 (--- GAL)

DIAGNOSIS

Recommendation
We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition
The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PCA0119986**	PCA0104216	PCA0095689
Sample Date		Client Info		**13 Mar 2024**	13 Sep 2023	17 Apr 2023
Machine Age	mls	Client Info		**152205**	152205	127621
Oil Age	mls	Client Info		**152205**	127621	0
Oil Changed		Client Info		**N/A**	Changed	Not Changd
Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	**163**	409	320
Chromium	ppm	ASTM D5185m	>10	**1**	3	3
Nickel	ppm	ASTM D5185m	>10	**<1**	<1	<1
Titanium	ppm	ASTM D5185m		**<1**	1	1
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**11**	21	18
Lead	ppm	ASTM D5185m	>25	**<1**	<1	0
Copper	ppm	ASTM D5185m	>50	**<1**	1	<1
Tin	ppm	ASTM D5185m	>10	**<1**	0	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**201**	213	237
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**8**	7	7
Manganese	ppm	ASTM D5185m		**2**	6	5
Magnesium	ppm	ASTM D5185m		**77**	69	70
Calcium	ppm	ASTM D5185m		**170**	197	195
Phosphorus	ppm	ASTM D5185m		**1299**	1283	1293
Zinc	ppm	ASTM D5185m		**137**	143	144
Sulfur	ppm	ASTM D5185m		**24634**	23161	21565

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	**53**	123	107
Sodium	ppm	ASTM D5185m		**3**	3	5
Potassium	ppm	ASTM D5185m	>20	**4**	8	6

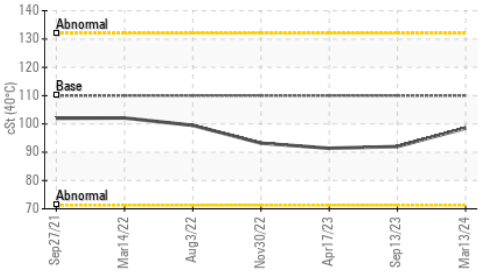
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**MODER**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

Report Id: NWWCOL [WUSCAR] 06128221 (Generated: 03/28/2024 10:20:54) Rev: 1

Submitted By: Paul Riddick

OIL ANALYSIS REPORT

Viscosity @ 40°C

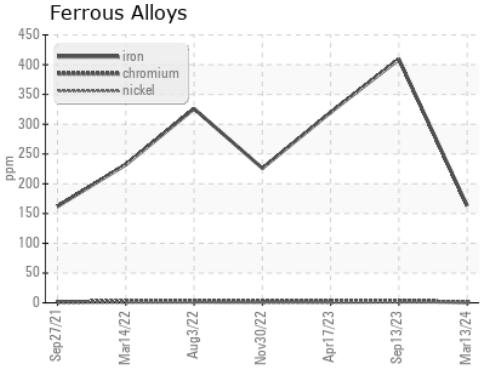


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	110	**98.5**	92.0	91.4

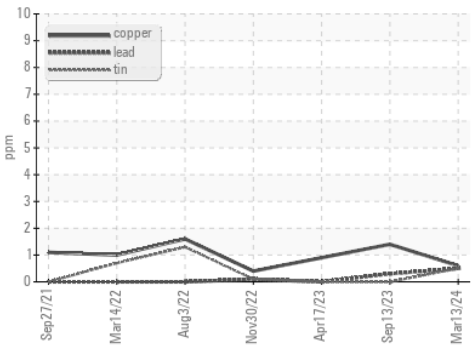
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			*no image*	*no image*	*no image*
Bottom			*no image*	*no image*	*no image*

GRAPHS

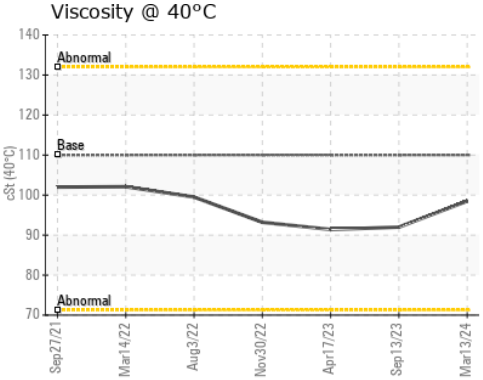
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0119986
Lab Number : 06128221
Unique Number : 10942372
Test Package : FLEET

Received : 25 Mar 2024
Tested : 26 Mar 2024
Diagnosed : 28 Mar 2024 - Jonathan Hester

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - Denotes test methods that are outside of the ISO 17025 scope of accreditation.*
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

NW WHITE & CO - COLUMBIA DIVISION
100 INDEPENDENCE BLVD
COLUMBIA, SC
US 29210
Contact: GEORGE EDWARDS
gedwards@nwwhite.com
T:
F: